RESEARCH PROBLEM STATEMENT #DC-513

I - Problem Title
Develop Basically New Kinds of Mobile Safety Barriers (RD-05)

II - Research Problem Statement
Present safety barriers -- such as K-rails, attenuators, and Balsi Beam -- cause drivers to crash, often catastrophically, and require expensive repair.

III - Objective
Develop a net barrier that provides positive protection and stops cars by shredding tires and wrapping around the front axles. The product should be mobile, easy to deploy, quick to set-up, and relatively inexpensive.
Serves Departmental Goal of Performance.

IV - Background
This is an alternative to Balsi Beams, attenuators, and K-rails which rely on a vehicle crashing to a stop. Similar approaches are being tried to stop vehicles in a war zone.

V - Statement of Urgency and Benefits
This research is urgently needed to increase the number of options to protect workers in work zones.

VI - Related Research
(Not provided)

VII - Deployment Potential
High. This product can quickly be adopted by the department and is of interest to other state DOTs.